

DERWENT-ACC-NO: 1994-028111

DERWENT-WEEK: 199651

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TITLE: Tufted carpet support material -  
comprises glass fibres  
predominantly clad with polymer  
giving impregnated  
glass yarn for protection from eg  
mutual contact

INVENTOR: RAUCH, C

PATENT-ASSIGNEE: PORCHER TEXTILE SA[PORCN] , PORCHER  
TEXTILE[PORCN]

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1994JP-0019961 (January 20,  
1994)

PATENT-FAMILY:

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EP 580531 A1		January 26, 1994	F
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DE 69305272 E		November 14, 1996	N/A
000	D05C	017/02	
FR 2693744 A1		January 21, 1994	N/A
016	D05C	017/00	
AU 9341968 A		January 20, 1994	N/A
000	D03D	015/00	
CA 2100713 A		January 18, 1994	F
000	D04H	011/00	
JP 07216718 A		August 15, 1995	N/A
007	D05C	015/08	
AU 662230 B		August 24, 1995	N/A
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EP 580531 B1		October 9, 1996	F
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CITED-DOCUMENTS: US 3320113; US 3642516 ; US 3864195 ; US

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APPLICATION-DATA:

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EP 580531A1	N/A	
1993EP-0420305	July 16, 1993	
DE 69305272E	N/A	
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FR 2693744A1	N/A	
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AU 9341968A	N/A	
1993AU-0041968	July 16, 1993	
CA 2100713A	N/A	
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ABSTRACTED-PUB-NO: EP 580531A

BASIC-ABSTRACT:

The carrier for a tufted material, to hold and anchor the tufts, is an unsized material which is virtually stable in normal use. It is composed of glass fibres, where a large number are clad with a polymer to give an impregnated glass yarn to protect the glass fibres from mutual contact and from the movement of the tufting needles.

Before treatment with the polymer, the glass fibre material

weight is at least  
100 g/m<sup>2</sup> with, at 100 g/m<sup>2</sup>, at least 12 glass fibre warps  
and wefts per cm..  
The warps and wefts can have the same or different  
thicknesses, at at least 34  
tex.. Where the material weight is about 160 g/m<sup>2</sup>, apart  
from the polymer, the  
warp/weft thickness is 68 tex or more. With an uncoated  
fabric weight of 210  
g/m<sup>2</sup>, using warps and wefts of 68 tex or more, the glass  
fibre warps are at  
17.5 per cm or more, with wefts at 12.5 per cm or more. A  
300 g/m<sup>2</sup> material  
uses glass fibres in a yarn thickness of 136 tex, with 9  
warps per cm and 13  
wefts per cm. A 160 g/m<sup>2</sup> material has 4800 glass filaments  
or more per cm in  
the warps and wefts, and a 210 g/m<sup>2</sup> fabric has 7000 glass  
filaments per cm in  
the warps and 4800 glass filaments per cm in the wefts.

USE/ADVANTAGE - The material is for mfg. fitted tufted  
floor coverings. The  
structure gives a long life for a carpeting which does not  
distort and resists  
the mechanical damage which could result from the tufting  
action.

ABSTRACTED-PUB-NO: EP 580531B

#### EQUIVALENT-ABSTRACTS:

Tuft support into which the threads that are to form the  
tufted carpeting  
wearing surface are inserted, characterised in that it is  
made up of a weave,  
the oiling of which has been kept, which is practically  
non-deformable in  
normal conditions of use, and made up of glass fibre yarns  
impregnated with a  
polymer to coat a large number of the filaments that make  
up each glass fibre  
yarn and so considerably restrict, during the tufting  
process, direct contact  
between, on the one hand, the yarns that form the glass  
weave and, on the other  
hand, tufting loom needles and the threads used to produce  
the wearing surface.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

TITLE-TERMS: TUFT CARPET SUPPORT MATERIAL COMPRISE GLASS  
FIBRE PREDOMINANTLY

CLAD POLYMER IMPREGNATE GLASS YARN PROTECT  
MUTUAL CONTACT

DERWENT-CLASS: A94 F05

CPI-CODES: A12-B05; A12-D02; F01-H06; F02-D;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 0306 1095 1294 2604 2724 2822 3159

Multipunch Codes: 017 034 04- 055 056 117 122 150 27& 441  
477 541 542 614 664

SECONDARY-ACC-NO:

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